SWP Water Quality Summary

August 19, 2003

Total Dissolved Solids: TDS concentrations in all six locations continue to decrease below the Article 19, Monthly Objective. TDS concentrations at check 29, 41 and Devil Canyon have similar trend. However, Banks Pumping Plant continues to experience low TDS of 97mg/l.

Bromide: Bromide concentrations continue to decline at all locations. Bromide concentrations at Devil Canyon are decreasing, but not as low as other locations. For over a month, Barker Slough and Vallecitos continue to experience low bromide concentrations of (0.004 to 0.04 mg/l). Check 29 and 41 continues to display a similar pattern since June.

Turbidity: Turbidity at the North Bay Aqueduct remains high compared to California Aqueduct and South Bay Aqueduct. Check 29 and 41 displayed a similar pattern between July and August. The Banks Pumping Plant turbidity peak from mid-July to August, was less pronounced when compared to the peak that occurred in June/July. Barker Slough had the highest turbidity, about 70 NTU, which occurred in 8/5/03.

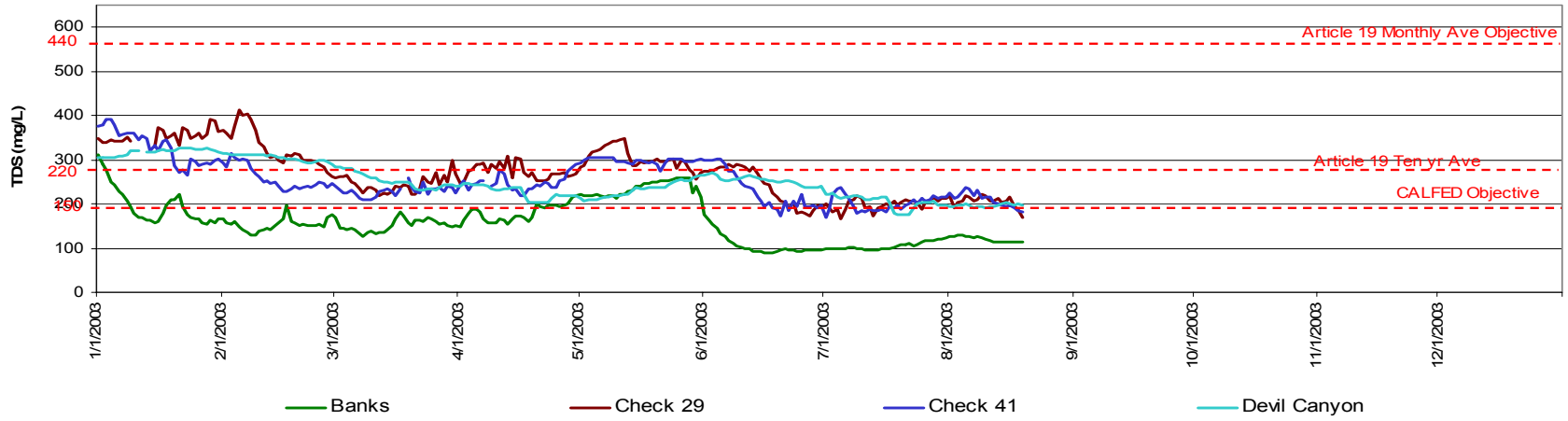
Dissolved Organic Carbon: DOC concentrations at Banks Pumping Plant, Check 13 and 41 were all below CALFED TOC Objective, with the exception of a few samples collected from Banks Pumping Plants in August.

Taste and Odor Compounds: A taste and odor episode began in late July in Clifton Court Forebay with MIB exceeding 30 ng/l, the highest values since monitoring began in fall 2000. Elevated levels of MIB were produced by benthic cyanobacteria (bluegreen algae) and resulted in a large number of complaints from customers served by South Bay Aqueduct water. Copper sulfate was applied to the Forebay on 8/13/03 and MIB levels declined to less than 10 ng/L.

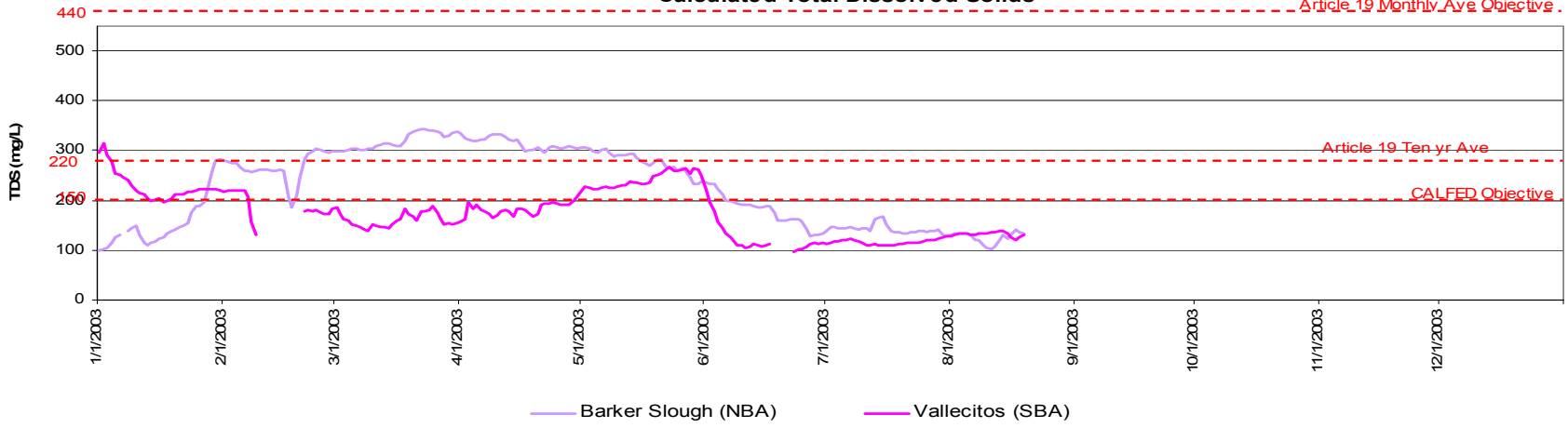
Ground Water Pump-in: No ground water pump-in during May through mid-August.

For more information refer to: http://wwwomwg.water.ca.gov **and**
http://wwwdpla.ca.gov/supply/sampling/mwg/main.h

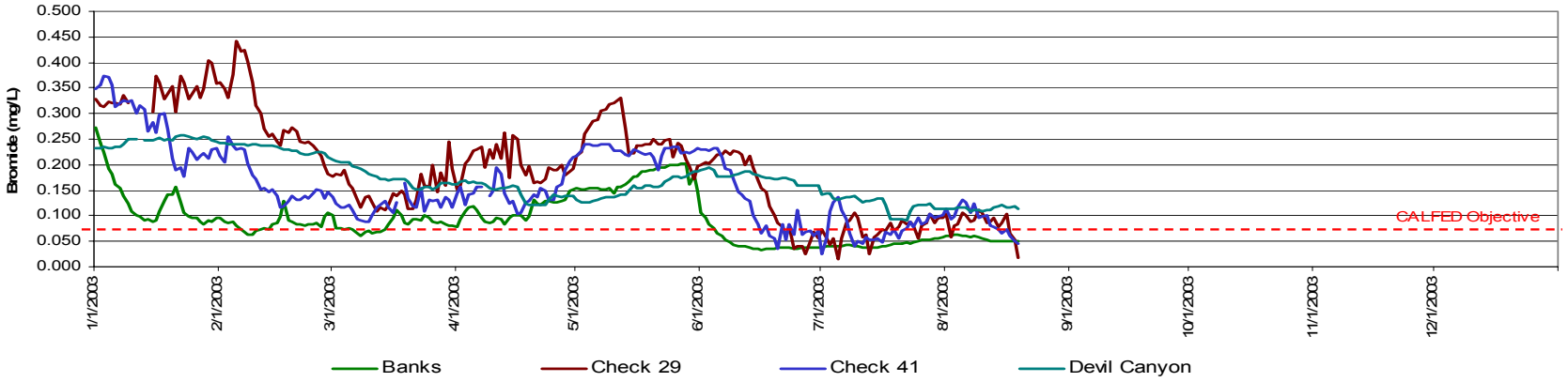
California Aqueduct
Calculated Total Dissolved Solids



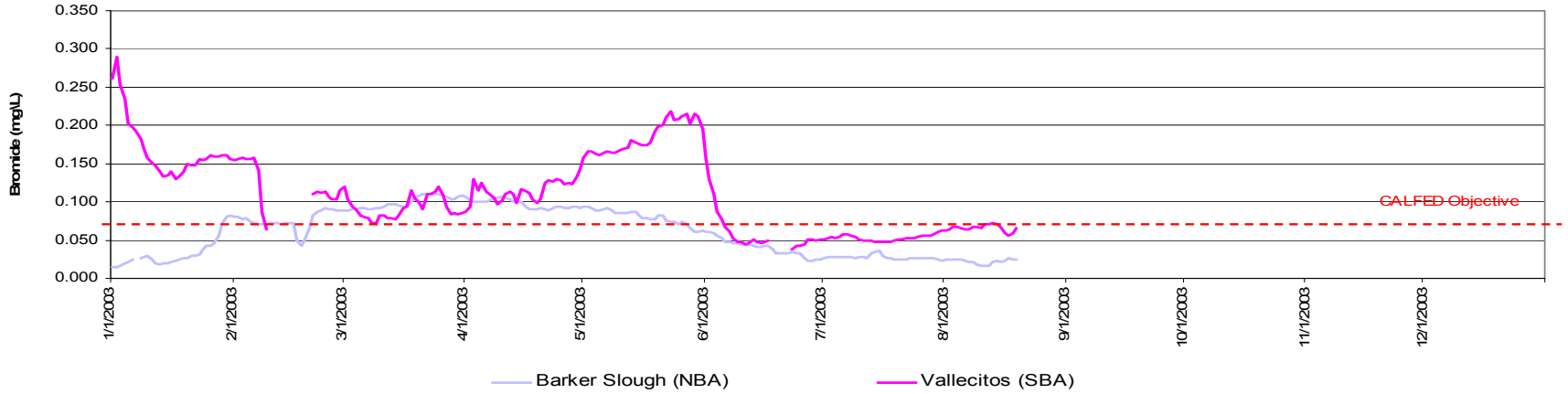
North and South Bay Aqueduct
Calculated Total Dissolved Solids

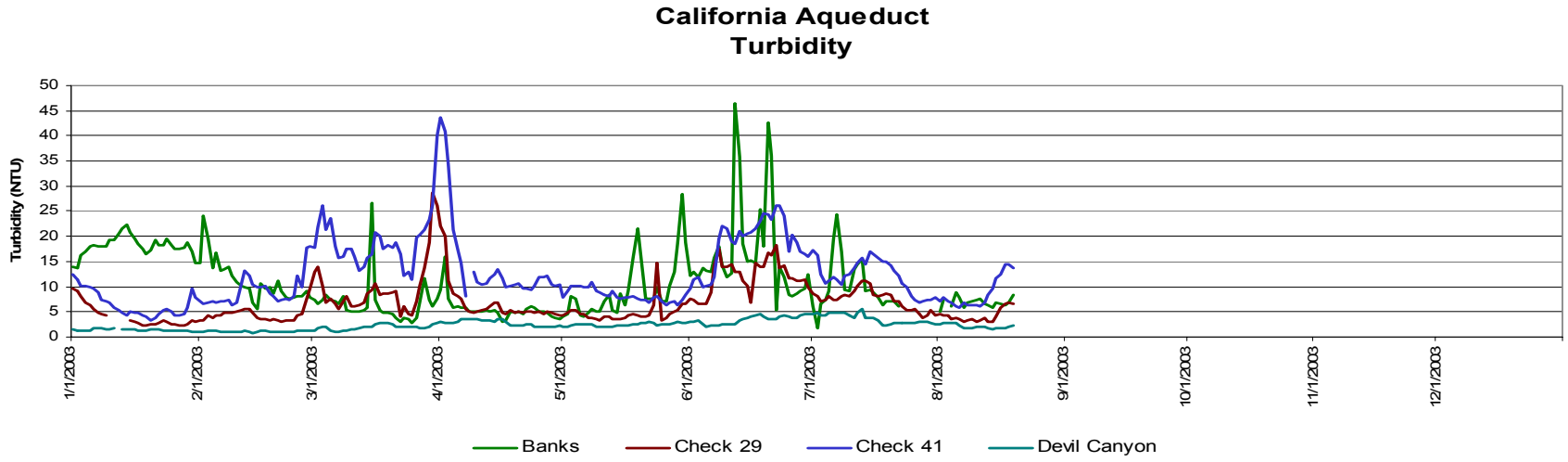


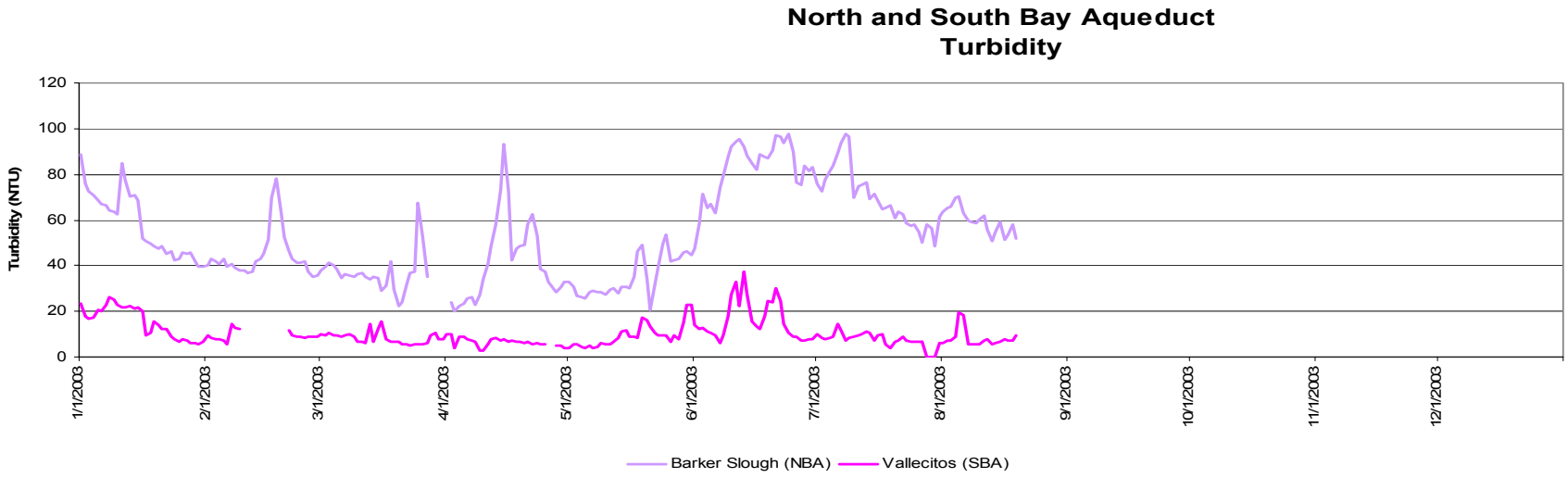
California Aqueduct
Calculated Bromide

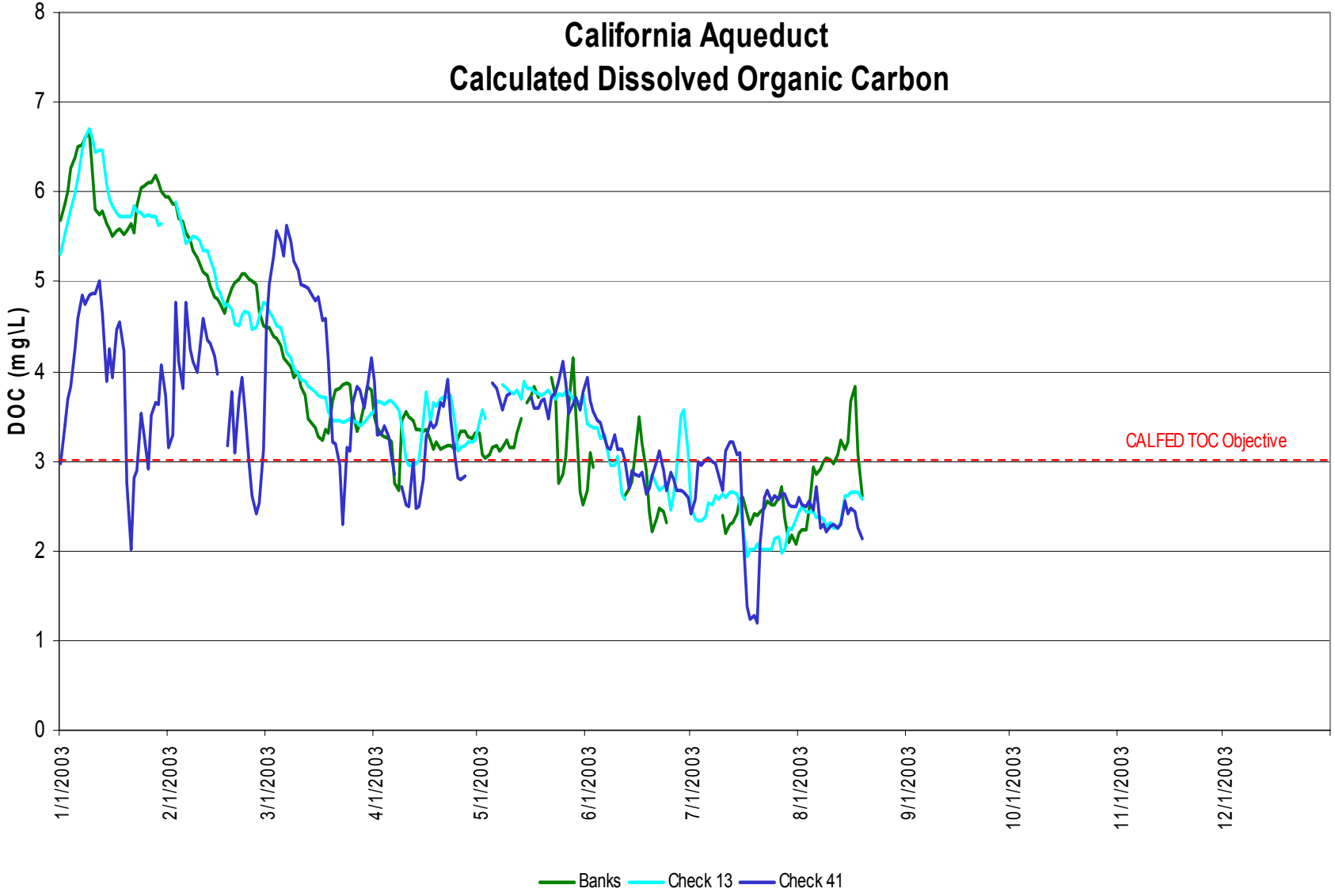


North and South Bay Aqueduct
Calculated Bromide




California Aqueduct
Turbidity
Turbidity (NTU)
50
45
40
35
30
25
20
15
10
5
0
1/1/2003
2/1/2003
3/1/2003
4/1/2003
5/1/2003
6/1/2003
7/1/2003
8/1/2003
9/1/2003
10/1/2003
11/1/2003
12/1/2003
Banks
Check 29
Check 41
Devil Canyon


North and South Bay Aqueduct
Turbidity
Turbidity (NTU)
120
100
80
60
40
20
0
1/1/2003
2/1/2003
3/1/2003
4/1/2003
5/1/2003
6/1/2003
7/1/2003
8/1/2003
9/1/2003
10/1/2003
11/1/2003
12/1/2003
Barker Slough (NBA)
Vallecitos (SBA)


California Aqueduct
Calculated Dissolved Organic Carbon
DOC (mg\L)
8
7
6
5
4
3
2
1
0
1/1/2003
2/1/2003
3/1/2003
4/1/2003
5/1/2003
6/1/2003
7/1/2003
8/1/2003
9/1/2003
10/1/2003
11/1/2003
12/1/2003
CALFED TOC Objective
Banks
Check 13
Check 41